

SenSmart™ 8100S(X) Series

Reusable Soft Pulse Oximetry Sensors
for the SenSmart™ Universal Oximetry System



Accuracy, Flexibility and Reliability

The SenSmart 8100S(X) Series soft sensors offer the ultimate flexibility for SpO₂ monitoring and are exclusively for use with the SenSmart Universal Oximetry System. The specially designed soft sensors offer superior patient comfort by providing an optimal distribution of pressure and three models to fit a variety of patient digits from pediatric to adult. When combined with Nonin's clinically proven PureSAT® pulse oximetry signal processing technology, the 8100S(X) Series soft sensors provide fast, accurate and reliable readings — patient to patient and sensor to sensor, even under challenging patient conditions such as motion and low perfusion.

SenSmart™ 8100S(X) Series

Product Highlights

- Designed for ultimate comfort – short or longer term monitoring
- Suitable for settings where SpO₂ monitoring is required
- Meets all required regulatory and quality standards
- Durable silicone material
- Added flexibility for a secure fit



Select Your Size

**SenSmart
8100SL Large**



Digit thickness: 12.5mm to 25.5mm (0.5in to 1in)
Preferred application: Fingers

**SenSmart
8100SM Medium**



Digit thickness: 10mm to 19mm (0.4in to 0.75in)
Preferred application: Fingers

**SenSmart
8100SS Small**



Digit thickness: 7.5mm to 12.5mm (0.3in to 0.5in)
Preferred application: Fingers

The first oximetry system to put regional oximetry, pulse oximetry and ease of use at your fingertips.

An innovative design that pairs simple with smart, Nonin Medical's **SenSmart Model X-100 Universal Oximetry System** is the first system to deliver both pulse and regional oximetry measurements today, and is designed to accommodate more parameters in the future.

The SenSmart System provides a side-by-side view of rSO₂, SpO₂ and pulse rate values for real-time decision making. You now have the opportunity to explore what a gradient between rSO₂ and SpO₂ might tell you.



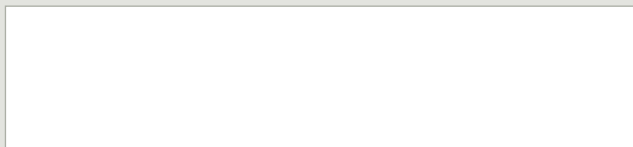
Specifications*

SpO₂ Accuracy (A_{rms} Adult/Ped**)	70 – 100% ±2 digits ^{1,2}
SpO₂ Low Perfusion Accuracy (A_{rms}**)	70 – 100% ±2 digits ¹
SpO₂ Accuracy in Motion (A_{rms}**)	70 – 100% ±3 digits ¹
Pulse Rate Accuracy (A_{rms}**)	18 – 300 BPM ±3 digits ¹
Pulse Rate Low Perfusion Accuracy (A_{rms}**)	40 – 240 BPM ±3 digits ¹
Pulse Rate Accuracy in Motion (A_{rms}**)	40 – 240 BPM ±5 digits ¹
Temperature	
Operating.....	0 °C to +40 °C (+23 °F to +104 °F)
Storage/Transportation.....	-30 °C to +70 °C (-22 °F to +158 °F)
Humidity	
Operating.....	15% to 93% non-condensing
Storage/Transportation.....	Up to 93% non-condensing

This product complies with ISO 10993-1
¹Additional accuracy and performance information can be found in the SenSmart operator's manual.
²Accuracy testing was performed under no-motion conditions.
 *See product Instructions for Use (IFU) for more information on product specifications and testing.
 ** ±1 A_{rms} encompasses 68% of the population. This information is especially useful for clinicians performing photodynamic therapy.

Specifications are subject to change without notice.

Authorized Distributor:



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